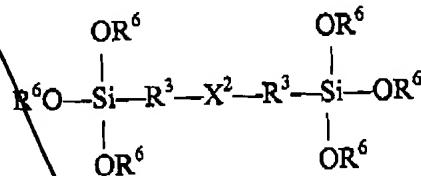


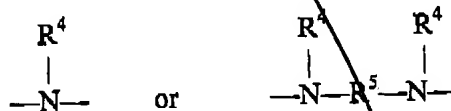
Sub D1  
cont.

(b) applying a silane solution to said metal surface, said silane solution having at least one vinyl silane and at least one bis-silyl aminosilane, wherein said at least one vinyl silane and said at least one bis-silyl aminosilane have been at least partially hydrolyzed, and wherein the bis-silyl aminosilane comprises:



wherein:

- each  $\text{R}^6$  is individually chosen from the group consisting of: hydrogen and  $\text{C}_1\text{-C}_{24}$  alkyl;
- each  $\text{R}^3$  is individually chosen from the group consisting of: substituted aliphatic groups, unsubstituted aliphatic groups, substituted aromatic groups, and unsubstituted aromatic groups; and
- $\text{X}^2$  is either:



- wherein each  $\text{R}^4$  is hydrogen; and
- $\text{R}^5$  is chosen from the groups consisting of: substituted and unsubstituted aliphatic groups, and substituted and unsubstituted aromatic groups.

-- 9. (Amended) The method of claim 1, wherein each  $\text{R}^6$  is individually chosen from the group consisting of: hydrogen, ethyl, methyl, propyl, iso-propyl, butyl, iso-butyl, sec-butyl and ter-butyl.

B2 Sub D1  
cont.